

WORKING GROUP ROLES

Objectives, Roles, Sample Content and Logistics

Smart Columbus Objectives for Working Groups (*Proposed Metrics in Italics*)

- Tap subject matter experts to provide advisory input on the Vulcan initiatives and the USDOT projects, their understanding of target audience/end user needs, deployment and other milestones for each project.
- Ensure that Smart Columbus project operations and initiatives are responsive to end user needs. Possible project metrics: *1) track end user usage/participation; 2) track how individual projects advance overall Smart Columbus goals; 3) document Working Group member comments and how input shaped projects/deliverables from concept to final deployment; 4) track adjustments per this data/feedback.*
- Engage in-kind/cash Partners in the development of Smart Columbus projects. Possible project metrics: *1) identify/track how many Partners assist with development and deployment via Working Group participation, 2) document how Partner input shaped projects/deliverables from concept to pilot to final deployment.*

Working Group Member Roles

- Serve as technical resource advisors to the Smart Columbus Program Management Office as it develops concepts of operations, deploys 15 USDOT projects and 14 Vulcan initiatives, and adjusts as lessons are learned.
- Advise on goals, metrics, budget, policy, operations, end-user needs, deployment strategies, needed adjustments and other project-specific decisions, as needed.
- Generate new opportunities and relationships to enhance participation and performance of the projects and overall program.
- Working Group member candidates are being identified by the Smart Columbus PMO team, the Executive Committee and Working Group co-chairs. At the first meeting of the Working Groups, it may be determined that additional participants should be invited. Should a member need to excuse himself, the co-chairs will work with the Program Management Office to determine if a replacement should be sought.

Working Group Co-Chair Role

To support the staff/consultant team leader to:

- Keep each meeting on track: keep to schedule (begin/end meetings on time), enforce discussion ground rules (park tangential discussions), ensure meeting goals are met and action items and assignments are clear.
- Ensure every participant is engaged and has an opportunity to provide feedback.
- Ensure big picture questions are asked/answered along with the more technically-oriented questions. (Keep connecting conversations back to overall vision and desired outcomes.)

OVERARCHING		
TOPIC		WORKING GROUP
Grant Execution Strategy	1	Grant Execution Strategy
Policy	2	Policy – Surface and research policy issues, and make recommendations on how best to navigate them.
Communications	3	Share and leverage the Smart Columbus story to advance overall Columbus Region livability and economic development goals.
Culture and Creativity	4	Culture and Creativity – Create excitement and opportunities to advance Columbus’ unique culture, creativity and sense of place as it relates to Smart Columbus.

USDOT		
PROJECT	DESCRIPTION	WORKING GROUP
Integrated Data Exchange	1 The heart of Smart Columbus is the Integrated Data Exchange (IDE), a dynamic, cloud-based platform that will integrate data from multiple sources, including the planned smart city technologies, traditional transportation data, and data from other community partners, such as food pantries and medical service providers. This will facilitate better decision-making and problem solving for all users.	Data and Analytics Working Group
Connected Vehicle Environment	2 Leveraging the city’s high-speed fiber investment, the Columbus Connected Transportation Network (CCTN) will connect people, vehicles, infrastructure and transportation providers in a safe, secure and seamless manner.	Connected Vehicle Environment Working Group
Common Payment System	3 Smart Columbus will leverage cutting-edge transportation technology to enhance human services and improve the lives of residents in Linden, who have not historically enjoyed their share of the city’s gains. Trip planning and payment options will be integrated into a single application so residents can plan trips using multiple forms of transportation and pay with one card. A payment mechanism will also be established for customers who do not have access to debit or credit cards, which are required for bike- and car-sharing systems.	Connected Traveler Working Group
Multi-Modal Trip Planning	4	
Smart Mobility Hubs	5 Smart Mobility Hubs will provide centralized access to COTA, bike- and car-share services. Kiosks will be located here to allow customers to conveniently plan their trips.	First/Last Mile Working Group

USDOT			
PROJECT		DESCRIPTION	WORKING GROUP
Enhanced Permit Parking	6	Smart Columbus will deploy and evaluate an enhanced parking permit system in the Short North, a bustling urban area, and create a new event parking management system for the Short North and Downtown Columbus. This will allow travelers to plan, reserve and book a parking space during large events. Direct routing of travelers is expected to reduce congestion during those times.	Downtown Parking Working Group
Event Parking Management	7		
Delivery Zone Availability	8		
Smart Street Lighting	9	Motion-sensored LED street lights will be installed, and may include free Wi-Fi.	Smart Street Lighting Working Group
Transit/Pedestrian Collision Avoidance System	10	Camera technology installed on COTA buses will identify potential pedestrian-bus collisions and alert the driver to take immediate action. This data will also be reported to COTA to be integrated into their route/schedule development system.	Transit/Pedestrian Safety Working Group
Mobility Assistance for People with Cognitive Disabilities	11	COTA will launch a mobile application that provides trip planning and assistance for people with cognitive disabilities.	Mobility Assistance Working Group
Connected Electric Automated Vehicles	12	“First and last mile” transportation solutions will be implemented in Easton, a popular retail and commercial hub on the northeast side of Columbus. A fleet of six connected, electric, autonomous transit vehicles will be deployed. Multiple inductive charging stations will also be installed.	Autonomous Working Group
Truck Platooning	13	Platooning technology in heavy vehicles will be introduced in the Rickenbacker area, the center of the Columbus Region’s logistics district, which will save fuel and reduce emissions.	Truck Platooning Working Group
Oversize Vehicle Routing	14	This application will allow oversize trucks to avoid narrow or low corridors, resulting in safer traffic conditions.	Smart Logistics Working Group
Interstate Truck Parking Availability	15		

VULCAN		
PRIORITY		INITIATIVE
Priority 1: Decarbonization	1	Initiative 1.1: Utility-scaled renewable
		Initiative 1.2: Grid modernization and efficiency
Priority 2: Electric Vehicle Fleet Adoption	2	Initiative 2.1: Public fleets
		Initiative 2.2: Private fleets
		Initiative 2.3: Transportation Service Providers (TSP)
Priority 3: Transit, Autonomous and Multi-Modal Systems in the City	3	Initiatives are covered under the Smart Columbus USDOT and other City of Columbus programs
Priority 4: Consumer Electric Vehicle Adoption	4	Initiative 4.1: Vehicle supply and consumer demand research and assessment
		Initiative 4.2: Address supply of new and used electric vehicles
		Initiative 4.3: Increase demand for electric vehicles
Priority 5: Charging Infrastructure	5	Initiative 5.1: Residential charging
		Initiative 5.2: Public access charging
		Initiative 5.3: Workplace charging
		Initiative 5.4: Fleet charging
		Initiative 5.5: Building and zoning changes to support electric vehicle charging